

What is Claimed:

1 1. A computer system comprising:

2 a frame defining a plurality of cells, each of said cells being
3 configured to receive a computer module through a respective opening
4 adjacent said cell;

5 a computer module configured for insertion into a respective one
6 of said cells through a respective one of said openings; and

7 a cell cover substantially covering at least one other of said
8 openings adjacent a cell not occupied by a computer module.

1 2. The computer system of claim 1 wherein said computer
2 module is oriented in said cell such that cooling gas may be drawn into said
3 cell through said respective opening for cooling said computer module.

1 3. The computer system of claim 1 wherein said cell cover
2 limits cooling gas used to cool a portion of the computer system from being
3 recirculated into any of said plurality of cells.

1 4. The computer system of claim 1 wherein said cell cover
2 includes at least one fastener, each of said fasteners configured for
3 engagement with a respective hole defined by a portion of said computer
4 system.

1 5. The computer system of claim 4 wherein said at least one
2 fastener is a spring-loaded retention pin including an end portion configured
3 for engagement with the respective hole defined by the portion of said
4 computer system.

1 6. The computer system of claim 1 additionally comprising a
2 gap cover substantially covering a gap defined between said computer

3 module and at least one of a plurality of support members included in said
4 frame.

1 7. The computer system of claim 6 wherein said gap cover
2 includes at least one gap cover fastener, each of said gap cover fasteners
3 configured for engagement with a respective gap cover hole defined by
4 another portion of said computer system.

1 8. The computer system of claim 7 wherein said at least one
2 gap cover fastener is a spring-loaded retention pin including an end portion
3 configured for engagement with the respective gap cover hole.

1 9. The computer system of claim 6 wherein said gap cover
2 includes a flanged portion covering at least one mounting hole defined by said
3 frame, said at least one mounting hole not being used for mounting.

1 10. The computer system of claim 1 wherein said computer
2 system is a computer server system and said computer module is a modular
3 computer server.

1 11. A computer system comprising:

2 a frame including a plurality of support members, said support
3 members at least partially defining a plurality of cells in said frame, each of
4 said cells being configured to receive a respective computer module through a
5 respective opening adjacent said cell;

6 a computer module configured for insertion into one of said cells
7 through a respective one of said openings, wherein a gap is defined between
8 said computer module and at least one of said support members; and

9 a gap cover substantially covering said gap.

1 12. The computer system of claim 11 wherein said computer
2 module is oriented in said cell such that cooling gas may be drawn into said
3 cell through said respective opening for cooling said computer module.

1 13. The computer system of claim 11 wherein said gap cover
2 is positioned over said gap such that cooling gas used to cool a portion of the
3 computer system is limited from being recirculated into any of said plurality of
4 cells.

1 14. The computer system of claim 11 additionally comprising
2 a cell cover substantially covering at least one of said openings adjacent a cell
3 not occupied by a computer module.

1 15. The computer system of claim 14 wherein said cell cover
2 limits cooling gas used to cool a portion of said computer system from being
3 recirculated into any of said plurality of cells.

1 16. The computer system of claim 14 wherein said cell cover
2 includes at least one fastener, each of said fasteners being configured for
3 engagement with a respective hole defined by a portion of said computer
4 system.

1 17. The computer system of claim 16 wherein said at least
2 one fastener is a spring-loaded retention pin including an end portion
3 configured for engagement with the respective hole defined by the portion of
4 said computer system.

1 18. The computer system of claim 11 wherein said gap cover
2 includes at least one gap cover fastener, each of said gap cover fasteners
3 being configured for engagement with a respective gap cover hole defined by
4 a portion of said computer system.

1 19. The computer system of claim 18 wherein said at least
2 one gap cover fastener is a spring-loaded retention pin including an end
3 portion configured for engagement with the respective gap cover hole.

1 20. The computer system of claim 11 wherein said gap cover
2 includes a flanged portion covering at least one mounting hole defined by said
3 frame.

1 21. The computer system of claim 11 wherein said computer
2 system is a computer server system and said computer module is a modular
3 computer server.

1 22. A method of preventing recirculation of cooling gas in a
2 computer system including a frame defining a plurality of cells, each of the
3 cells being configured to receive a computer module through a respective
4 opening adjacent the cell, said method comprising the steps of:

5 inserting a computer module into one of the cells through a
6 respective one of the openings; and

7 covering, with a cell cover, another of the openings adjacent a
8 cell not occupied with a computer module.

1 23. The method of claim 22 additionally comprising:

2 fastening the cell cover to the computer system over the
3 another opening.

1 24. The method of claim 23 wherein said fastening step
2 includes engaging at least one spring-loaded retention pin coupled to the cell
3 cover with a respective hole defined by the computer system.

1 25. The method of claim 22 additionally comprising the step
2 of:

3 covering, with a gap cover, a gap defined between the computer
4 module and at least one of a plurality of support members included in the
5 frame.

1 26. The method of claim 25 additionally comprising the step
2 of:

3 fastening the gap cover to the computer system over the gap.